

ABSTRACT OF THE DISCLOSURE

Embodiments described herein provide methods of processing a sample containing at least one biological
5 element. In one method, a first conductor and a second conductor are introduced into or located adjacent the sample. A voltage is applied between the first conductor and the second conductor. The voltage is adjusted to reduce an ability of the at least one biological element to be amplified
10 or detected in a PCR reaction process, such that the biological element is removed from a binding member, and/or to unzip the at least one biological element.